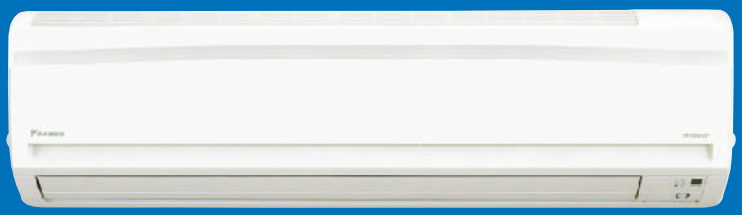
PCRSG0712A

DAIKIN

Split Type Air Conditioners

DC Inverter Power Control

Cooling Only [50 Hz] R-22



RKD25DA RKD35DA

Always around Us

They are always there, just like air. We believe air conditioners should have simple designs that merge smoothly with our daily lives. Daikin's subtle flat panel design blends seamlessly into any room interior. A lineup of 5 models from 2.5 to 7.1 kW is available.

GOOD DESIGN AWARD 2004 IN JAPAN

FTKD25/35D

FTKD50/60/71F

Sophisticated Appearance with Flat Panel

The series' simple and stylish flat panel design harmonises with any interior decor.

▶ See pages 4 to 7.

Higher Energy Savings

The DC Inverter series achieves high COPs thanks to its swing compressor with Reluctance DC motor and DC motor for fan. The 2.5 kW model delivers a 19% higher COP of 3.45.

▶ See pages 8 and 9.

Quiet Operation

Daikin has achieved lower sound levels for both the indoor and outdoor units. The 2.5 kW model now operates at a whisper-like 25 dB.

▶ See page 11.

Cleanliness

The range of clean features includes the photocatalytic air-purifying filters, Mould-Proof Operation and Wipe-Clean Flat Panel.

▶ See pages 12 and 13.

4 Tick Energy Label

The 2 models listed below have received Singapore's 4 Tick Energy Label. It is the highest energy-efficiency rating for inverter type air conditioners.

▶ See page 8.

RKD25DA

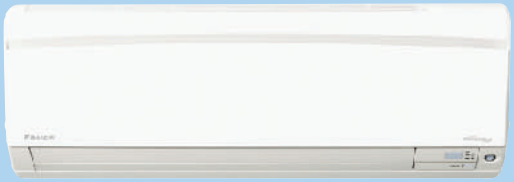
RKD35DA

Design Concept

A Refreshingly Simple Design

The stylish flat panel design creates a simplicity and sophistication that enhances any interior space. The flat panel can be cleaned with a single wipe.

Stylish Design Creates Harmony in Any Interior



FTKD25/35D

RKD25/35DA

FTKD25DVM / RKD25DAVM
2.5 (1.2-3.2) kW
8,500 (4,050-10,900) Btu/h

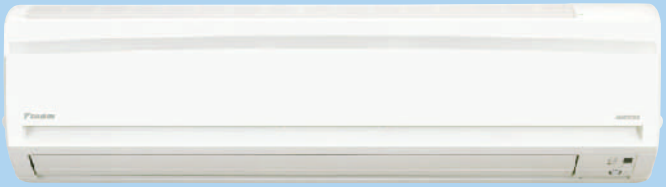
FTKD35DVM / RKD35DAVM
3.5 (1.4-4.0) kW
11,900 (4,750-13,650) Btu/h

GOOD DESIGN AWARD 2004 IN JAPAN

The Good Design Award is sponsored by the Japan Industrial Design Promotion Organization to promote excellence in commercial product design.

INVERTER

Space



FTKD50/60/71F

RKD50/60/71B

FTKD50FVM / RKD50BVM
5.2 (1.5-5.9) kW
17,700 (5,100-20,100) Btu/h

FTKD60FVM / RKD60BVM
6.2 (1.5-6.5) kW
21,200 (5,100-22,200) Btu/h

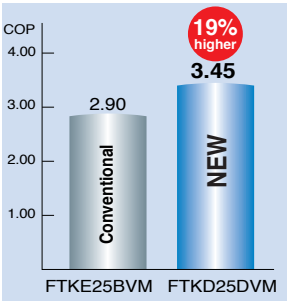
FTKD71FVM / RKD71BVM
7.1 (2.1-7.6) kW
24,200 (7,200-25,900) Btu/h

INVERTER

Energy Savings

DC Inverter Power Control Achieves High COPs

The DC Inverter series features the Reluctance DC motor for compressor and DC motor for fan. This hi-tech energy-saving package is completed by Daikin's advanced swing compressor and PAM control. FTKD25D achieves a COP of 3.45, 19% higher than conventional model. This is the result of upgrading from conventional AC inverter to advanced DC Inverter technology.



4 Tick Energy Label

The 2.5 to 3.5 kW models have received Singapore's 4 Tick Energy Label, which is the highest energy-efficiency rating for inverter type air conditioners. The energy labeling was introduced by Singapore's Ministry for the Environment and Water Resources. Under the scheme, the inverter air conditioners with a cooling capacity of less than 10 kW must carry labels to indicate their energy-saving rating. This allows households to select more energy-efficient models and so reduce their electricity

RKD25DA RKD35DA

Inverter Advantages Compared to Non-Inverter

Inverters are devices that are able to vary their operating capacity by adjusting frequency. Inverter air conditioners can vary their heating/cooling capacity by adjusting the power supply frequency of their compressors. In contrast, non-inverter air conditioners have a fixed heating/cooling capacity and can only control the indoor temperature by starting or stopping their compressors.

Energy Saving

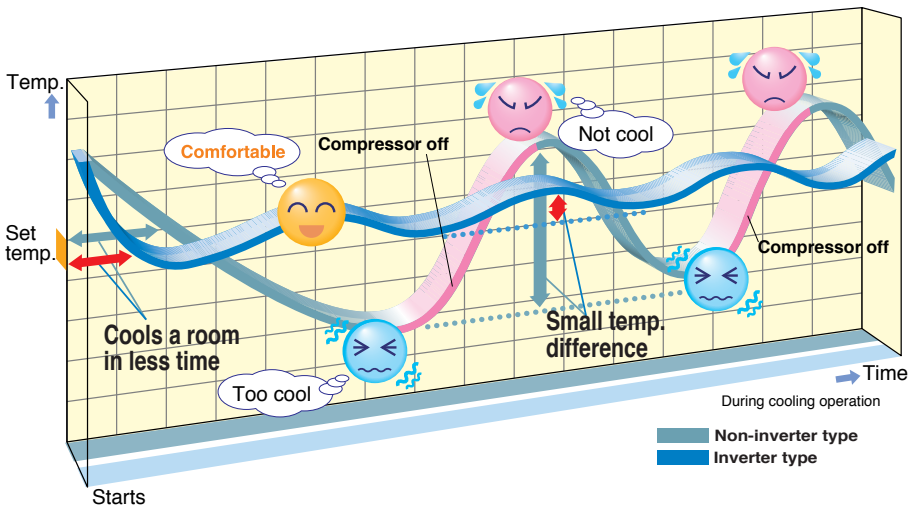
After the indoor temperature approaches the set temperature, Inverter Control adjusts to low capacity operation to maintain this temperature. This makes inverter models more energy-saving than non-inverter models, which must repeatedly start or stop their compressors to maintain the room temperature.

Powerful

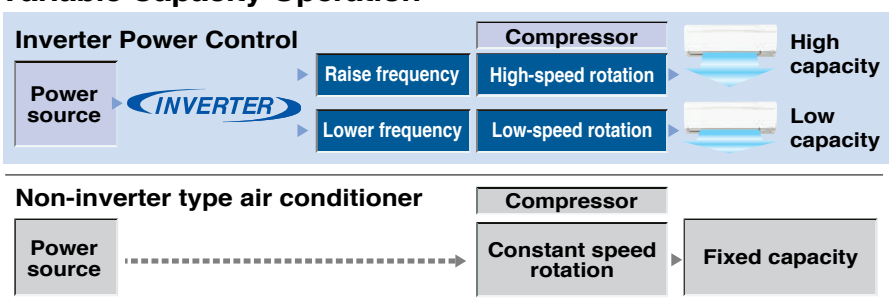
Inverter air conditioners operate at maximum capacity as soon as they start up. As a result, the set temperature can be reached more quickly.

Comfortable

Inverter air conditioners finely adjust capacity according to changes in the air-conditioning load and the difference between the indoor temperature and set temperature is small. These give higher comfort levels than with non-inverter air conditioners.



Variable Capacity Operation

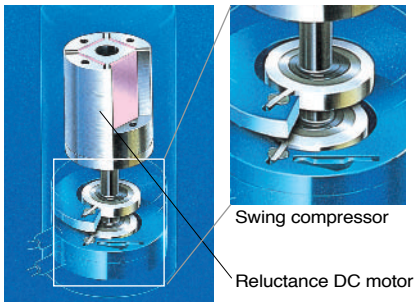


Inverter air conditioners are able to vary their operating capacity. Non-inverter air conditioners can only operate at a fixed capacity.

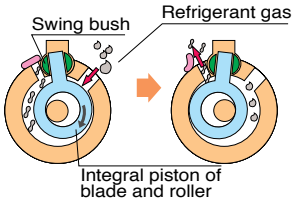
Energy-Saving Technological Features

INVERTER

Swing Compressor



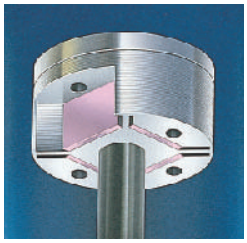
Thanks to its smooth rotation, the swing compressor decreases friction and vibration. It also prevents the leakage of refrigerant gas during compression. These advantages provide quiet and efficient operation.



The swing compressor can reduce operational vibration and sound because its piston moves smoothly inside the compressor.

This marked the development of a high-performance swing compressor that was compatible with alternative fluorocarbons. The prize was presented in 1997.

Reluctance DC Motor for Compressor

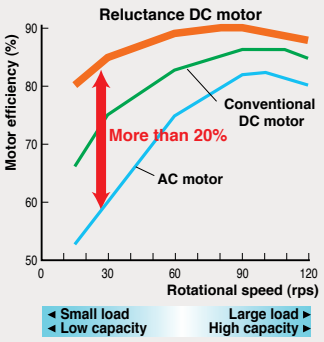


Neodymium magnets are used in the pink-coloured area.

Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor. The Reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2. This motor can save energy because it generates more power with a smaller electric power than an AC or conventional DC motor. It is more efficient at the low frequencies most commonly used by air conditioners,*3 improving efficiency by approximately 20%.

*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
*2. The torque created by the change in power between the iron and magnet parts.
*3. The frequency range used by air conditioners during periods of stable operation. This is the range in which air conditioners operate for the longest periods.

Efficiency of Reluctance DC motor *4



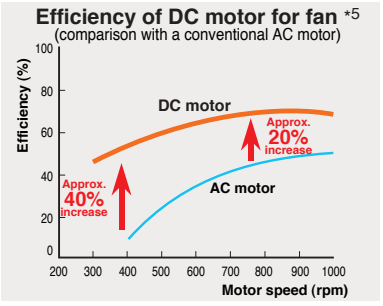
*4. Data are based on studies conducted under controlled conditions at a Daikin laboratory using Daikin products.

This was the first scroll compressor to be equipped with the Reluctance DC motor in commercial-use air conditioners. The Institute of Electrical Engineers of Japan presented the award in 1998.

DC Motor for Fan

The DC motor allows fine rotation control, which reduces energy consumption. The motor also provides improvements in operational efficiency of up to 40%, compared to an AC motor. These improvements are particularly noticeable in the low-speed range.

Efficiency of DC motor for fan *5
(comparison with a conventional AC motor)



*5. Data are based on studies conducted under controlled conditions at a Daikin laboratory using Daikin products.

PAM Control

PAM control

PAM (Pulse Amplitude Modulation) control reduces energy loss by controlling how often the converter switches on and off.

What Is DC Inverter?

Daikin calls an inverter model that is equipped with a DC motor DC Inverter. A DC motor offers higher efficiency than an AC motor. A DC motor uses the power of magnets to attract and repel to generate rotation. A DC motor that is equipped with high-power neodymium magnets, which enable even greater efficiency, is called a Reluctance DC motor.

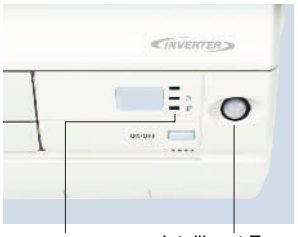
Efficient Operation with No Energy Wastage

Intelligent Eye

Intelligent Eye prevents energy wastage by using its infrared sensor to detect human movement in a room. When there is no movement, Intelligent Eye increases the temperature by 2 °C to give energy savings of up to 20%.

This reduces energy wastage if, for example, you forget to turn off the air conditioner. The function can be conveniently activated from the remote controller.

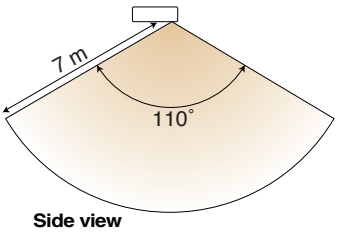
Once Intelligent Eye is set, it continues to work to save energy. You do not need to push the SENSOR button each time you wish to use this function.



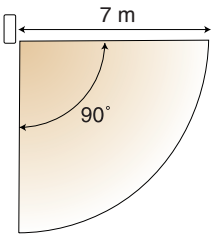
The Intelligent Eye indicator lights when movement is detected.

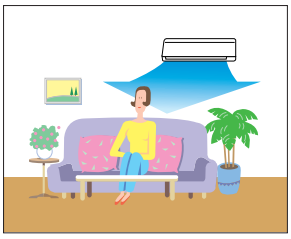
Intelligent Eye sensor

Top view

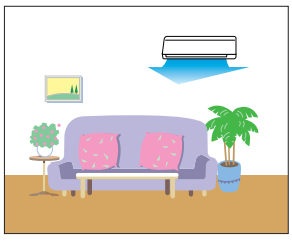


Side view

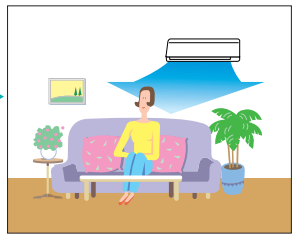




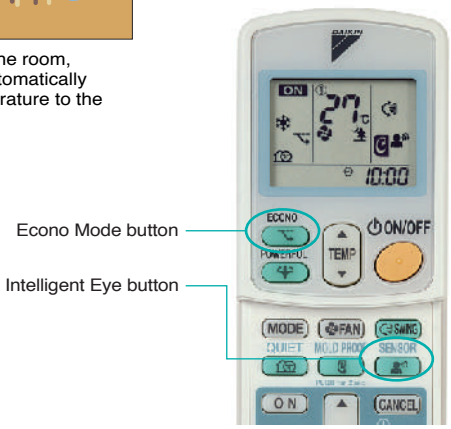
When you are in the room, the air conditioner maintains the set temperature.



If Intelligent Eye detects no human movement for 20 minutes, it automatically adjusts the set temperature by 2 °C.



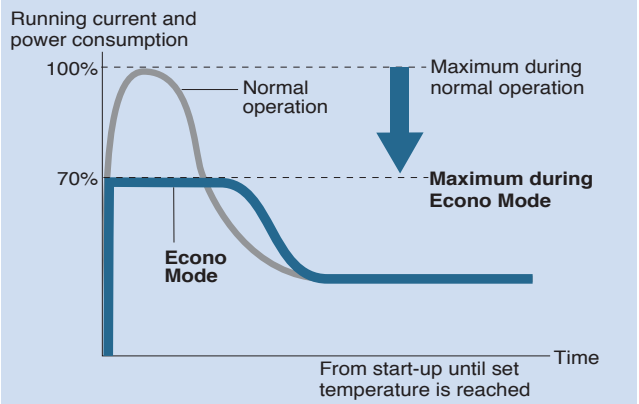
When you enter the room, Intelligent Eye automatically returns the temperature to the set level.



Econo Mode

This function limits both the maximum running current and maximum power consumption to 70% of those during normal operation. It is particularly effective if the cooling/heating load is high, for example, at start-up or during large gatherings and periods of direct sunshine. At the same time, it maintains maximum capacity at 80% of normal, giving improved operating efficiency, although it may take slightly longer to reach the set temperature.

Econo Mode is also useful for preventing circuit breakers from being overloaded during temporary peaks in the running current. The function is easily activated from the remote controller by pushing the ECONO button. Econo Mode is available for FTKD25/35D.



- This diagram is a representation for illustrative purposes only.
- Maximum capacity decreases during Econo Mode, requiring more time to reach the set temperature.

and Quiet Operation

Indoor Unit Quiet Operation

This series gives you the choice of 5-step, Quiet or Automatic settings for the fan speed. The Quiet setting selects Indoor Unit Quiet Operation. This function decreases the operation sound level by 3 dB below the Low setting.

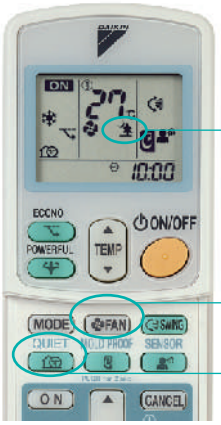
This wide range of settings allows you to precisely control the fan speed according to your requirements. For example, Indoor Unit Quiet Operation provides you with a good night's sleep. The sound level for FTKD25D is 25 dB.

FTKD25D

Fan speeds	Sound levels
High (H)	37 dB
Low (L)	28 dB
Quiet (SL)	25 dB

3 dB

	Auto	SL	L	M	H
Fan speed		Low ←			→ High
Sound level		Each decrease in airflow volume reduces the sound level by 2 or 3 dB.			



Indoor Unit Quiet Operation icon

Selects fan speed and Indoor Unit Quiet Operation

Outdoor Unit Quiet Operation

Outdoor Unit Quiet Operation

Outdoor Unit Quiet Operation is available for all models from 2.5 to 7.1 kW class. This function decreases the operation sound level by 3 dB below the rated operation. It provides a low sound level of 43 dB for RKD25DA.

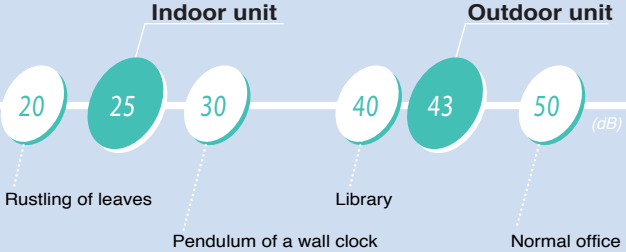
Capacity may decrease when Outdoor Unit Quiet Operation is selected.

RKD25DA

Operations	Sound levels
Rated (H)	46 dB
Quiet (L)	43 dB

3 dB

25 dB Is So Quiet You Can Even Hear Whispers



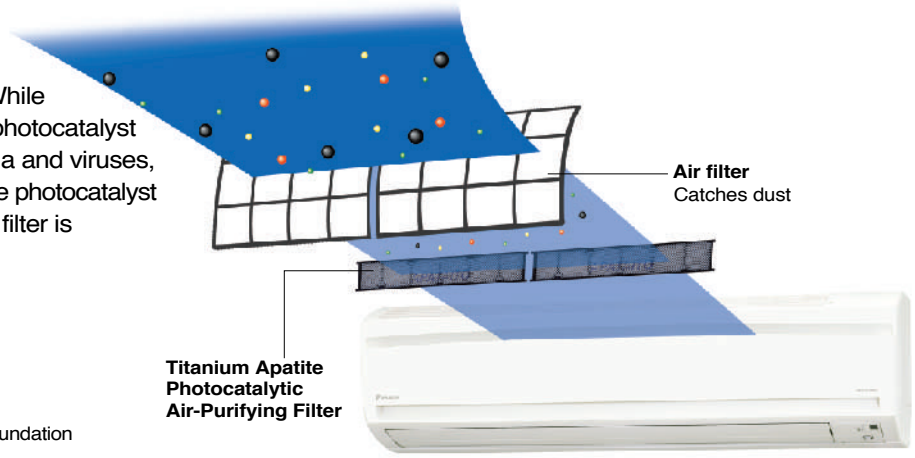
Based on "Examples of Sound Levels", Ministry of the Environment, Japan, November 12, 2002

Advanced Photocatalytic Air Purifying

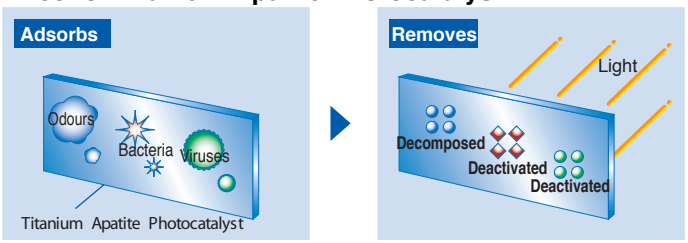
Titanium Apatite Photocatalytic Air-Purifying Filter

Titanium apatite is a new photocatalytic material with advanced adsorption power. While the filter's micron-level fibres trap dust, this photocatalyst effectively adsorbs and decomposes bacteria and viruses, and also breaks down mould and odours. The photocatalyst is activated simply by exposure to light. The filter is available with FTKD50/60/71F models.

Bacteria removal test
Testing method: Dropping method
Testing organisation: Japan Spinners Inspecting Foundation
Result certificate: No. 012553-1 and 012553-2



Effect of Titanium Apatite Photocatalyst



Apatite adsorbs bacteria and viruses. At the same time, the photocatalyst oxidises odour components, breaking them down. Viruses are decomposed into clumps of protein and removed.

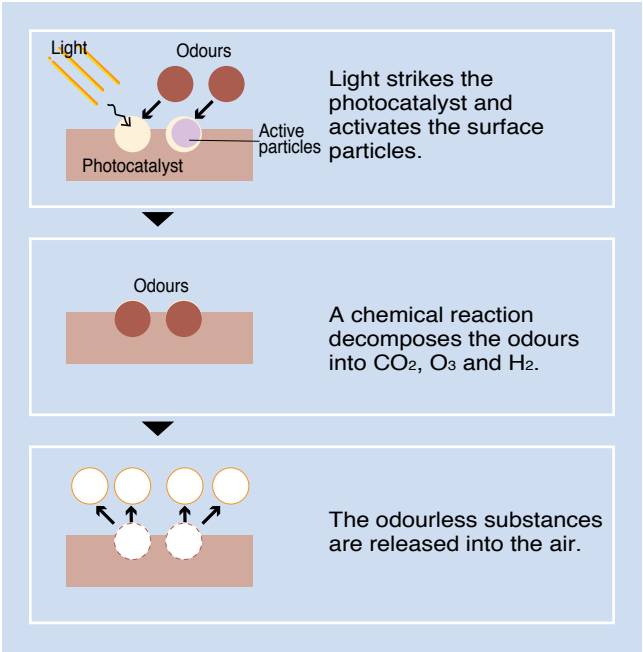
Photocatalytic Deodorising Filter

The Photocatalytic Deodorising Filter is able to decompose odours and even remove bacteria and viruses. This filter can be used indefinitely if regular maintenance is carried out. The filter is available with FTKD25/35D models.

Bacteria removal test
Testing method: Dropping method
Testing organization: Japan Food Research Laboratories
Result certificate: No. 298081197-003

Virus removal test
Testing method: Washout method
Testing organization: Japan Food Research Laboratories
Result certificate: No. 298081197-004

Photocatalytic Mechanism


Light
Odours
Active particles
Photocatalyst
Light strikes the photocatalyst and activates the surface particles.
Odours
A chemical reaction decomposes the odours into CO_2, O_3 and H_2.
The odourless substances are released into the air.

Air-Purifying Filter

This filter is able to remove impurities such as dust, pollen and cigarette smoke as well as bacteria and viruses from the air. The filter is available with FTKD25/35D models.

Bacteria removal test
- Testing method: Dropping method
- Testing organisation: Japan Food Research Laboratories
- Result certificate: No. 29805 1308-001

Virus removal test
- Testing method: Washout method
- Testing organisation: Japan Food Research Laboratories
- Result certificate: No. 29805 1308-002

	Filter type	Maintenance	Replacement	Number
FTKD50/60/71F	Titanium apatite photocatalytic air-purifying filter	Soak in water containing detergent once every 6 months	3 years	2 pieces
FTKD25/35D	Photocatalytic deodorising filter	Expose to sunlight for 6 hours once every 6 months	Unnecessary	1 piece
	Air-purifying filter	Unnecessary	3 months	1 piece

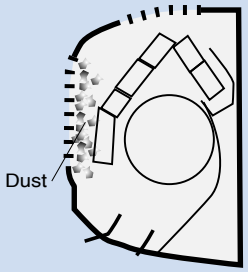
Mould-Proof Operation

When cooling or dry operation is stopped, fan-only operation runs automatically for 1 hour. This airflow dries the inside of the indoor unit to reduce the generation of mould and odours. It is available with FTKD25/35D.

Wipe-Clean Flat Panel

Flat panel models can be cleaned instantly with a single wipe of a cloth across their smooth surface. If more thorough cleaning is required, the panel can also be easily removed from the unit.

Conventional Front Grille Design



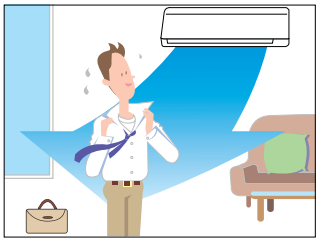
Front grille design units collect dust on their air inlet grilles unless these grilles are cleaned regularly.

1. Difficult to remove dust on the grille through wiping alone
2. Reduced capacity due to increased suction resistance
3. High sound levels due to increased suction resistance

Comfortable and Highly Effective Airflow

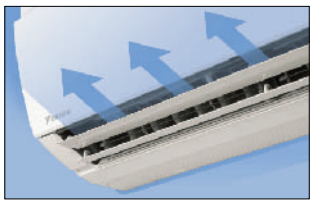
Comfortable Airflow

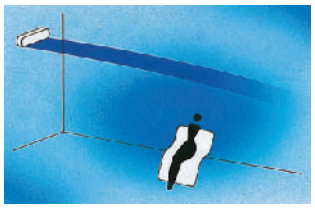
Inverter Powerful Operation boosts cooling performance for a 20-minute period. This is convenient both when you first turn on your air conditioner and when you want to quickly change the temperature during operation.



Power-Airflow Dual Flaps and Wide-Angle Louvres work in tandem to precisely control both vertical and horizontal airflow for distribution of air.

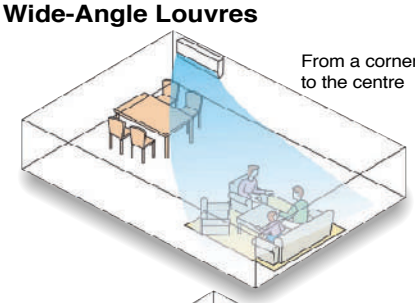
Power-Airflow Dual Flaps



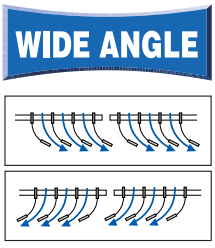


Cooling: the flaps flatten out during operation so that cool air slides off to reach the corner of the room.

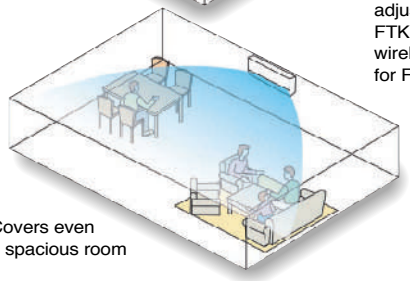
Wide-Angle Louvres



From a corner to the centre



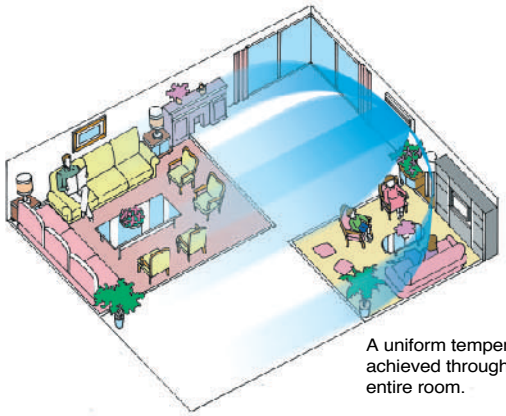
The louvres can be adjusted by hand for FTKD25/35D and with the wireless remote controller for FTKD50/60/71F.



Covers even a spacious room

Vertical Auto-Swing automatically moves the flaps up and down and Horizontal Auto-Swing automatically moves the louvres to the left and right. 3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling/heating of even large spaces.

Horizontal Auto-Swing and 3-D Airflow are available for FTKD50/60/71F.

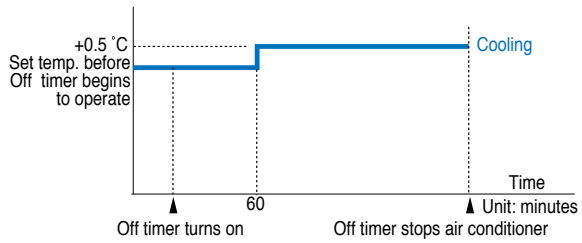


A uniform temperature is achieved throughout the entire room.

The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.

Indoor Unit On/Off Switch

Pressing the Off timer button automatically selects Night Set Mode. This function prevents any sudden change in room temperature by gradually raising the temprature before the air conditioner stops, so you can sleep comfortably.



Cooling operation: Room temperature is raised by 0.5 ˚C after 60 minutes, while minimum outdoor unit sound levels are maintained. If the outdoor temperature is below 27 ˚C, room temperature is raised by a further 0.5 ˚C after 90 minutes for FTKD50/60/71F.

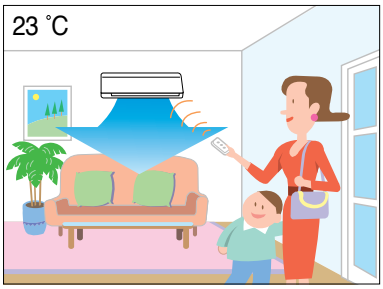
Functions

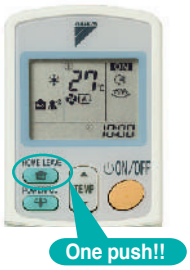
Lifestyle Convenience

Home Leave Operation prevents large rises in the indoor temperature by continuing operation* while you are sleeping or out of your home. This means that an air-conditioned welcome awaits when you wake or return. It also means that the indoor temperature can quickly return to your favourite comfort setting.

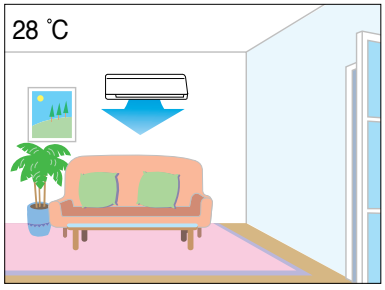
* Home Leave Operation can be set at any temperature from 18 to 32 ˚C. Home Leave Operation is available for FTKD50/60/71F.

During cooling operation, 23 ˚C for the room temperature setting, and 28 ˚C for the Home Leave setting.

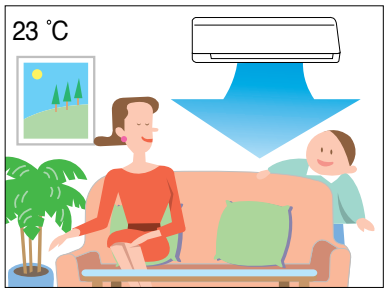




Start Home Leave Operation simply by pushing its button on the remote controller.



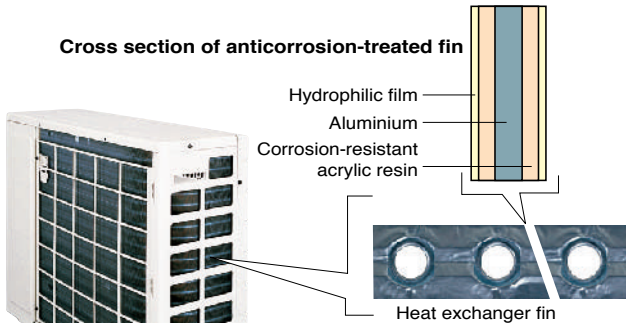
When you are out of your home, your air conditioner prevents large rises in the indoor temperature by continuing to operate using Home Leave Operation settings.



When you return, you will be greeted by an air-conditioned room. Just push the HOME LEAVE button again to return to your previous settings.

Worry Free

The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets.



Installation Flexibility

A long piping length gives installation flexibility. Installation is possible even if there is no space for the outdoor unit near the indoor unit.

	Max. piping length	Max. height difference
FTKD25/35D	**25 m**	**15 m**
FTKD50/60/71F	**30 m**	**20 m**

Comfortable Airflow

Power-Airflow Dual Flaps
Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room.
▶ See page 14

Wide-Angle Louvres
The smoothly curved Wide-Angle Louvres provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room.
▶ See page 14

Vertical Auto-Swing (up and down)
This function automatically moves the flaps up and down to distribute air across a room.
▶ See page 14

Horizontal Auto-Swing (left and right)
Horizontal Auto-Swing automatically moves the louvres to the left and right to cover a room with cool air.
▶ See page 14

3-D Airflow
This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool air right to the corners of even large spaces.
▶ See page 14

Lifestyle Convenience

Econo Mode
This mode limits maximum running current and power consumption to 70% of normal operation, while maintaining maximum capacity at 80%. This improves operating efficiency and also prevents circuit breakers from being overloaded.
▶ See page 10

Inverter Powerful Operation
This function is convenient for boosting cooling performance for a 20-minute period both when you first turn on your air conditioner or want to quickly change the room temperature.
▶ See page 14

Home Leave Operation
Home Leave Operation continues operation to prevent a room from becoming too hot, while you are sleeping or out of your home. Select any temperature from 18 to 32 ℃.
▶ See page 15

Indoor Unit On/Off Switch
There is a second On/Off switch on the body of the indoor unit to prevent any problems if the wireless remote controller is misplaced.
▶ See page 14

Comfort Control

Indoor Unit Quiet Operation
Indoor unit operating sound levels are decreased by 2 or 3 dB from the Low setting fan speed using the wireless remote controller.
▶ See page 11

Outdoor Unit Quiet Operation
Outdoor unit operating sound levels are decreased by 3 dB from the rated operation sound using the wireless remote controller.
▶ See page 11

Intelligent Eye
Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by 2 ℃ for energy savings of up to 20%.
▶ See page 10

Programme Dry Function
This function automatically reduces the level of humidity while maintaining the preset room temperature.

Auto Fan Speed
The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Timers

24-Hour On/Off Timer
This timer can be preset to start and stop at any time within a 24-hour period. The air conditioner is started/stopped simply by pressing the On/Off timer button on the wireless remote controller.

Night Set Mode
Pressing the Off timer button automatically selects Night Set Mode. This function prevents any sudden change in room temperature by gently raising the temperature before the air conditioner stops, so you can sleep comfortably.
▶ See page 14

Worry Free

Auto-Restart after Power Failure
The air conditioner memorises the settings for mode, airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.

Self-Diagnosis with Digital Display
Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

Anticorrosion Treatment of Outdoor Heat Exchanger Fins
The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.
▶ See page 15

Cleanliness

Photocatalytic Deodorising Filter

This filter decomposes odours and even removes bacteria and viruses. This power is maintained simply by exposing the filter to sunlight once every 6 months.

▶ See page 12

Air-Purifying Filter

This filter removes impurities such as dust, pollen and cigarette smoke as well as bacteria and viruses from the air.

▶ See page 13

Titanium Apatite Photocatalytic Air-Purifying Filter

This filter contains the new photocatalytic material titanium apatite. While the filter's micron-level fibres trap dust, this photocatalyst adsorbs and decomposes bacteria and viruses, and breaks down mould and odours. The filter can be used for up to 3 years with proper maintenance.

▶ See page 12

Mould-Proof Operation

Mould-Proof Operation automatically runs fan-only operation for 1 hour when cooling or dry operation is stopped. This airflow prevents the generation of mould and mould odours inside the indoor unit.

▶ See page 13

Wipe-Clean Flat Panel

The flat panel models can be cleaned with only the single pass of a cloth across their smooth surface. The flat panel can also be easily removed for more thorough cleaning.

▶ See page 13

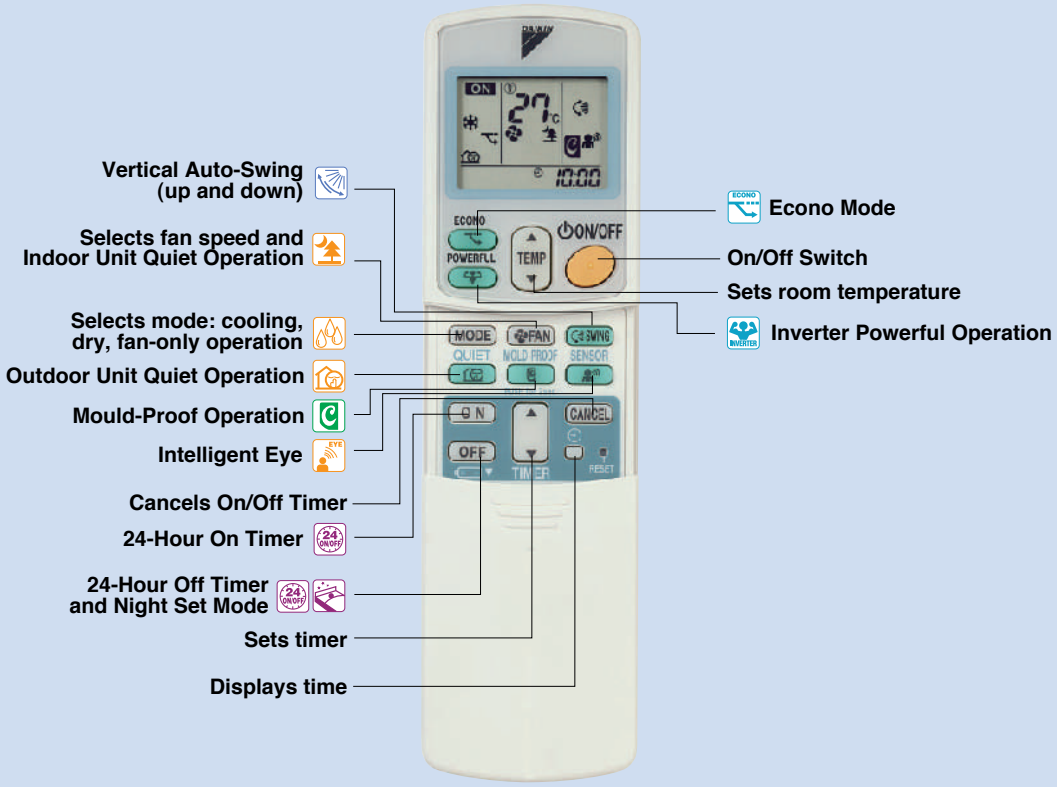
Mould-Proof Air Filter

The air filter is finished with a coating that suppresses the growth of mould on its surface.

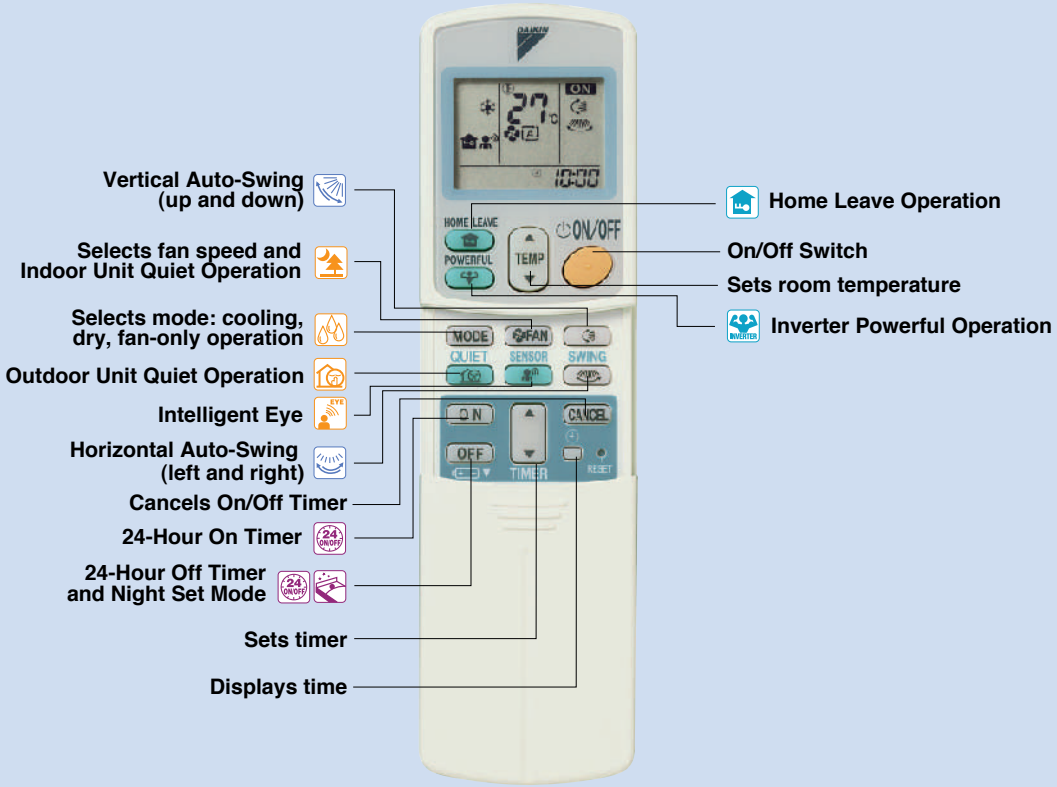
Functions \ Models		Wall-mounted type	
		FTKD 25/35D	FTKD 50/60/71F
	DC Inverter	●	●
Comfortable Airflow	Power-Airflow Dual Flaps	●	●
	Wide-Angle Louvres	●	●
	Vertical Auto-Swing (up and down)	●	●
	Horizontal Auto-Swing (left and right)		●
	3-D Airflow		●
Comfort Control	Indoor Unit Quiet Operation	●	●
	Outdoor Unit Quiet Operation	●	●
	Intelligent Eye	●	●
	Programme Dry Function	●	●
	Auto Fan Speed	●	●
Lifestyle Convenience	Econo Mode	●	
	Inverter Powerful Operation	●	●
	Home Leave Operation		●
	Indoor Unit On/Off Switch	●	●
Cleanliness	Photocatalytic Deodorising Filter	●	
	Air-Purifying Filter	●	
	Titanium Apatite Photocatalytic Air-Purifying Filter		●
	Mould-Proof Operation	●	
	Wipe-Clean Flat Panel	●	●
	Mould-Proof Air Filter	●	●
Timers	24-Hour On/Off Timer	●	●
	Night Set Mode	●	●
Worry Free	Auto-Restart after Power Failure	●	●
	Self-Diagnosis with Digital Display	●	●
	Anticorrosion Treatment of Outdoor Heat Exchanger Fins	●	●

Easy-to-Use Wireless Remote Controller

Wireless remote controller for FTKD25/35D



Wireless remote controller for FTKD50/60/71F



Specifications

FTKD25/35D

Model name	Indoor unit		FTKD25DVM	FTKD35DVM
	Outdoor unit		RKD25DAVM	RKD35DAVM
Capacity	Rated (Min.-Max.)	kW	2.5 (1.2-3.2)	3.5 (1.4-4.0)
		Btu/h	8,500 (4,050-10,900)	11,900 (4,750-13,650)
Power supply			1 phase, 220-240 V/220-230 V, 50/60 Hz	
Running current	Rated	A	4.0	4.7
Power consumption	Rated (Min.-Max.)	W	725 (295-1,100)	1,035 (305-1,450)
COP	Rated	W/W	3.45	3.38
Indoor unit			**FTKD25DVM**	**FTKD35DVM**
Front panel colour			White	
Airflow rate (H)		m³/min (cfm)	8.9 (314)	9.0 (318)
Fan speed			5 steps, quiet and automatic	
Sound levels (H/L/SL)		dB (A)	37/28/25	39/29/26
Dimensions (H x W x D)		mm	283 x 800 x 195	
Machine weight		kg	9	
Outdoor unit			**RKD25DAVM**	**RKD35DAVM**
Casing colour			Ivory white	
Compressor	Type		Hermetically sealed swing type	
	Motor output	W	600	
Refrigerant charge (R-22)		kg	0.9	1.2
Sound levels (H/L)		dB (A)	46/43	47/44
Dimensions (H x W x D)		mm	550 x 765 x 285	
Machine weight		kg	32	34
Operation range		˚CDB	10 to 46	
Piping connections	Liquid	mm	ø6.4	
	Gas		ø9.5	ø12.7
	Drain		ø18.0	
Max. piping length		m	25	
Max. height difference			15	

FTKD50/60/71F

Model name	Indoor unit		FTKD50FVM	FTKD60FVM	FTKD71FVM
	Outdoor unit		RKD50BVM	RKD60BVM	RKD71BVM
Capacity	Rated (Min.-Max.)	kW	5.2 (1.5-5.9)	6.2 (1.5-6.5)	7.1 (2.1-7.6)
		Btu/h	17,700 (5,100-20,100)	21,200 (5,100-22,200)	24,200 (7,200-25,900)
Power supply			1 phase, 220-240 V/220-230 V, 50/60 Hz		
Running current	Rated	A	7.0	9.2	11.2
Power consumption	Rated (Min.-Max.)	W	1,600 (450-2,300)	2,100 (450-2,700)	2,550 (530-3,210)
COP	Rated	W/W	3.25	2.95	2.78
Indoor unit			**FTKD50FVM**	**FTKD60FVM**	**FTKD71FVM**
Front panel colour			White		
Airflow rate (H)		m³/min (cfm)	16.8 (593)	17.5 (618)	18.3 (646)
Fan speed			5 steps, quiet and automatic		
Sound levels (H/L/SL)		dB (A)	44/35/32	45/36/33	46/37/34
Dimensions (H x W x D)		mm	290 x 1,050 x 238		
Machine weight		kg	12		
Outdoor unit			**RKD50BVM**	**RKD60BVM**	**RKD71BVM**
Casing colour			Ivory white		
Compressor	Type		Hermetically sealed swing type		
	Motor output	W	1,500		1,900
Refrigerant charge (R-22)		kg	1.25	1.60	1.80
Sound levels (H/L)		dB (A)	47/44	49/46	52/49
Dimensions (H x W x D)		mm	-	735 x 825 x 300	
Machine weight		kg	48	52	54
Operation range		˚CDB	–5 to 46		
Piping connections	Liquid	mm	ø6.4		ø9.5
	Gas		ø12.7	ø15.9	
	Drain		ø18.0		
Max. piping length		m	30		
Max. height difference			20		

Note: The above values are based on operation with a 230 V power supply.

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27 ˚CDB, 19 ˚CWB; outdoor temp. 35 ˚CDB; piping length 7.5 m.
2. Sound levels are based on the temperature condition 1. above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Specifications are subject to change.

Options

Indoor unit

No.	Item	FTKD25/35D	FTKD50/60/71F
1	5-room centralised controller *1	KRC72	
2	Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact) *2	KRP413A1S	
3	Photocatalytic deodorising filter without frame *3	KAZ970A42	–
4	Air-purifying filter without frame *4	KAF970A42	–
5	Titanium apatite photocatalytic air-purifying filter *5	–	KAF952B42
6	Remote controller loss prevention with chain	KKF917A4	

Note: *1. A wiring adaptor (KRP413A1S) is also required for each indoor unit.
*2. The time clock and other devices should be obtained locally.
*3. The photocatalytic deodorising filter is a standard accessory. It can be reused indefinitely if it is exposed to direct sunlight once every 6 months. This accessory is only required if the original filter is damaged or lost, etc.
*4. The air-purifying filter is a standard accessory. It should be replaced approximately once every 3 months. This accessory is required for the replacement of filters.
*5. The filter is a standard accessory. It should be replaced approximately every 3 years.

5-room centralised controller
KRC72

Air-purifying filter without frame
KAF970A42

Titanium apatite photocatalytic air-purifying filter
KAF952B42

Remote controller loss prevention with chain
KKF917A4

Outdoor unit

No.	Item	RKD25/35DA	RKD50/60/71B
1	Air direction adjustment grille	KPW937A4	KPW945A4
2	Drain plug	KKP937A4*1	

Note: *1. One set includes 5 pieces for 5 units.

Air direction adjustment grille
KPW945A4

Drain plug
KKP937A4

Control system

No.	Item	FTKD25/35D	FTKD50/60/71F
1	Central remote controller *1	DCS302CA61	
2	Unified On/Off controller *1	DCS301BA61	
3	Schedule timer *1	DST301BA61	
4	Interface adaptor for DIII-NET use	KRP928B2S	

Note: *1. A wiring adaptor (KRP928B2S) is also required for each indoor unit.

Central remote controller
DCS302CA61

Unified On/Off controller
DCS301BA61

Schedule timer
DST301BA61

Specifications are subject to change.

Warning

- Daikin Industries, Ltd.'s products are manufactured for export to numerous countries throughout the world. Daikin Industries, Ltd. does not have control over which products are exported to and used in a particular country. Prior to purchase, please therefore confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

JMI-0107

JQA-1452

About ISO 9001

ISO 9001 is a plant certification system defined by the International Organization for Standardization (ISO) relating to quality assurance. ISO 9001 certification covers quality assurance aspects related to the "design, development, manufacture, installation, and supplementary service" of products manufactured at the plant.

EC99J2044

About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

Dealer

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